

Application No. 10/684,408
Amendment dated September 5, 2006
Reply to Office Action dated June 5, 2006

AMENDMENTS TO THE DRAWINGS:

Kindly replace originally filed Figure 19, 20, 21 and 26 with the attached Replacement Sheet for Figures 19, 20, 21 and 26. An annotated version of the Figure 26 is also included to show the changes made in accordance with the outstanding objection.

Attachments: 4 Replacement Sheets

1 Annotated Sheet Showing Changes

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REMARKS

Reconsideration And Allowance Are Respectfully Requested.

Claims 1, 2, 4 and 5 are currently pending. Claims 3 and 6-19 have been canceled. Claims 1, 2, 4 and 5 have been amended. No new matter has been added. No new claims have been added. Reconsideration is respectfully requested.

Applicant would first like to thank the Examiners for the courtesies extended during the interview conducted on August 16, 2006. During the course of this interview, proposed amendments were discussed in an effort to overcome the prior art of record. After discussing the amendments in detail, it was agreed they appeared to overcome the pending prior art.

As such, Applicant submits herewith amended claim 1. Amended claim 1 defines a MOSFET based, high voltage, high current, AC electronic relay. The relay includes a MOSFET switching circuit selectively switching between switch conducting and switch isolation. The MOSFET switching circuit includes first and second power MOSFETS and a depletion mode MOSFET. A transformer arrangement is selectively coupled to the MOSFET switching circuit for selectively applying a predetermined voltage to the MOSFET switching circuit which establishes the MOSFET switching circuit in switch conducting. The transformer arrangement includes a primary winding connected to a first secondary winding and a second secondary winding. Each of the first and second secondary windings are connected to a full bridge rectifier. The output of which is coupled to the MOSFET switching circuit.

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With regard to the outstanding rejections, originally filed claims 1 and 2 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,456,511 to Wong. Claims 9, 13, 15 and 19 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,496,068 to Eddelmon. Claims 3-5 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Wong in view of German Patent No. 4429285 to Koroncai et al. Claims 9, 10, 12 14-16 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Koroncai et al. Claims 11, 17 and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Koroncai in view of Wong. These rejections are respectfully traversed in view of the preceding amendments and the remarks which follow.

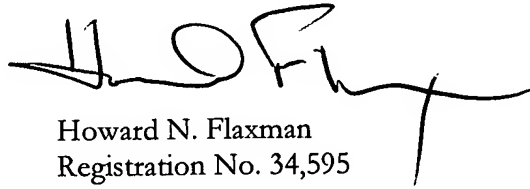
In particular, neither Wong, Eddlemon nor Koroncai disclose or suggest the highly specific electronic relay disclosed and claimed in accordance with the present invention. As such, it is Applicant's opinion amended claim 1 overcomes Wong, Eddlemon and Koroncai, and Applicant respectfully requests the outstanding rejection be withdrawn.

With regard to the objections to the drawings, replacement drawings for Figures 19, 20 and 21 have been included. With regard to Figure 26, this has been amended so as to properly identify two MOSFETS as Q2 and Q3.

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It is believed that this case is in condition for allowance and reconsideration thereof and early issuance is respectfully requested. If it is felt that an interview would expedite prosecution of this application, please do not hesitate to contact applicants' representative at the below number.

Respectfully submitted,



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